REQUEST FOR WAIVER

APPLICANT HAS MADE A THROUGH SEARCH OF THE ALLOWABLE AREA AND WAS UNABLE TO LOCATE PROPERTY THAT WAS FOR SALE OR LEASE. MOREOVER, A LARGE PORTION OF THE ALLOWABLE AREA IS EITHER RESTRICTED BY THE FAA, IS A BODY OF WATER OR IS ENVIRNMENTALLY PROTECTED MARSHLAND. IN ADDITION, IT WILL BE DIFFICULT TO OBTAIN LOCAL ZONING APPROVAL IN THE REMAINING ALLOWABLE AREA. HOWEVER THE SPECIFIED SITE HAS LOCAL ZONING APPROVAL AND WILL NOT CAUSE AN ADVERSE ENVIRONMENTAL IMPACT. THIS SITE IS LOCATED IN AN INDUSTRIAL PARK.

EVEN THOUGH THE SPECIFIED SITE IS SHORT SPACED TO 2 NORTH CAPE MAY, NJ APPLICATIONS IT IS NOT SHORT SPACED TO THE REFERENCE CORDINATES.

FROM THE SPECIFIED TOWER SITE A CITY GRADE SIGNAL WILL BE PROVIDED TO ALL OF OCEAN CITY, MD. HOWEVER FROM TOWER LOCATIONS IN MUCH OF THE ALLOWABLE AREA (NON SHORT SPACED) A CITY GRADE SIGNAL COULD NOT BE PROVIDED TO 80% OR MORE OF THE LAND AREA AND POPULATION OF OCEAN CITY, MD.

ACCORDINGLY A WAIVER OF THE SPACING RULE (73.207) IS RESPECTFULLY REQUESTED.

Joseph A. Boon
General Partner
J.H. Communications
24 Dec 90

WILLIAM CULPEPPER & ASSOCIATES. INC.
227 FARR'S BRIDGE ROAD GREENVILLE SC 29611

OCEAN CITY, MARYLAND

REFERENCE
38 25 15 N
75 08 02 W

CLASS A
Previous rule spacings

DISPLAY DATES
DATA 11-29-90
SEARCH 12-19-90

CHANNEL 295 -106.9 MHz

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN	
AD295	295A	Ocean City	MD	157.7	10.50	104.5	-94.00	*
AL295	295A	Ocean City	MD	157.7	10.50	104.5	-94.00	*
AP294	294A	North Cape May	NJ	17.1	62.48	63.5	-1.02	*
AL294	294A	North Cape May	NJ	14.3	62.87	63.5	-0.63	*
AP294	294A	North Cape May	NJ	16.6	64.06	63.5	0.56	<
WDLEFM	296A	Federalsburg	MD	305.8	65.75	63.5	2.25	<
WDLEFM	296A	Federalsburg	MD	305.8	65.75	63.5	2.25	<
WDLEFM	296A	Federalsburg	MD	305.8	65.75	63.5	2.25	<
WKDN	295B	Camden	NJ	1.0	165.26	162.5	2.76	<
WAFX	295C	Suffolk	VA	218.6	229.49	221.5	7.99	
AL293	293A	Pocomoke City	MD	224.8	54.14	26.5	27.64	
CP293	293A	Pocomoke City	MD	216.1	60.92	26.5	34.42	

38 25 15 - J. H. COMMUNICATIONS
75 8 2 - OCEAN CITY, MARYLAND

ERP= 3 KW, 4.771 dBk
FM - 2-6 Tables

Azimuth Degs.	C.O.R. HAAT	Power kW	Predicted Contours: 60 dBu/.5 km	60 dBu/.5 Mi	54 dBu/.1 km	54 dBu/.1 Mi	Relative Field	Power dBk	dB gain
0	99.1M, 325F	1.41	19.7	12.2	30.0	18.6	0.685	1.48	- 3.3
5	100.4M, 329F	1.19	19.0	11.8	29.1	18.1	0.630	0.76	- 4.0
10	100.6M, 330F	1.08	18.6	11.5	28.4	17.7	0.600	0.33	- 4.4
15	100.9M, 331F	1.06	18.5	11.5	28.4	17.6	0.595	0.26	- 4.5
20	100.9M, 331F	1.10	18.7	11.6	28.6	17.8	0.605	0.41	- 4.4
25	101.7M, 334F	1.27	19.5	12.1	29.7	18.4	0.650	1.03	- 3.7
30	101.4M, 333F	1.56	20.4	12.7	31.0	19.3	0.720	1.92	- 2.9
35	101.8M, 334F	1.92	21.6	13.4	32.5	20.2	0.800	2.83	- 1.9
40	102.1M, 335F	2.30	22.7	14.1	34.0	21.1	0.875	3.61	- 1.2
45	101.8M, 334F	2.65	23.4	14.6	35.2	21.9	0.940	4.23	- 0.5
50	101.9M, 334F	2.94	24.1	15.0	36.1	22.5	0.990	4.68	- 0.1
55	102.2M, 335F	3.00	24.2	15.0	36.4	22.6	1.000	4.77	- 0.0
60	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
65	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
70	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
75	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
80	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
85	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
90	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
95	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
100	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
105	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
110	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
115	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
120	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0

38 25 15 - J. H. COMMUNICATIONS
75 8 2 - OCEAN CITY, MARYLAND

ERP= 3 KW, 4.771 dBk
FM - 2-6 Tables

Azimuth Degs.	C.O.R. HAAT	Power kW	Predicted Contours: 60 dBu/.5 Distance km	Mi	54 dBu/.1 km	Mi	Relative Field	Power dBk	dB gain
125	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
130	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
135	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
140	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
145	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
150	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
155	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
160	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
165	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
170	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
175	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
180	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
185	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
190	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
195	102.3M, 336F	3.00	24.2	15.1	36.4	22.6	1.000	4.77	- 0.0
200	101.3M, 332F	3.00	24.1	15.0	36.2	22.5	1.000	4.77	- 0.0
205	97.9M, 321F	3.00	23.7	14.7	35.6	22.1	1.000	4.77	- 0.0
210	97.4M, 320F	3.00	23.6	14.7	35.5	22.0	1.000	4.77	- 0.0
215	97.2M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
220	97.2M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
225	97.3M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
230	97.4M, 320F	3.00	23.6	14.7	35.5	22.0	1.000	4.77	- 0.0
235	97.3M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
240	97.3M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
245	97.1M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
250	97.2M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
255	97.2M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
260	97.0M, 318F	3.00	23.6	14.6	35.4	22.0	1.000	4.77	- 0.0
265	96.9M, 318F	3.00	23.5	14.6	35.4	22.0	1.000	4.77	- 0.0

38 25 15 - J. H. COMMUNICATIONS
75 8 2 - OCEAN CITY, MARYLAND

ERP= 3 KW, 4.771 dBk
FM - 2-6 Tables

Azimuth Degs.	C.O.R. HAAT	Power kW	Predicted Contours: 60 dBu/.5 Distance km	Mi	54 dBu/.1 km	Mi	Relative Field	Power dBk	dB gain
270	96.8M, 318F	3.00	23.5	14.6	35.3	22.0	1.000	4.77	- 0.0
275	96.9M, 318F	3.00	23.5	14.6	35.4	22.0	1.000	4.77	- 0.0
280	96.9M, 318F	3.00	23.5	14.6	35.4	22.0	1.000	4.77	- 0.0
285	96.9M, 318F	3.00	23.5	14.6	35.4	22.0	1.000	4.77	- 0.0
290	97.1M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
295	97.4M, 320F	3.00	23.6	14.7	35.5	22.0	1.000	4.77	- 0.0
300	97.9M, 321F	3.00	23.7	14.7	35.6	22.1	1.000	4.77	- 0.0
305	98.3M, 323F	3.00	23.7	14.8	35.6	22.1	1.000	4.77	- 0.0
310	97.2M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
315	96.2M, 316F	3.00	23.5	14.6	35.2	21.9	1.000	4.77	- 0.0
320	97.2M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
325	97.0M, 318F	3.00	23.6	14.6	35.4	22.0	1.000	4.77	- 0.0
330	97.0M, 318F	3.00	23.6	14.6	35.4	22.0	1.000	4.77	- 0.0
335	97.1M, 319F	3.00	23.6	14.7	35.4	22.0	1.000	4.77	- 0.0
340	98.3M, 323F	2.88	23.5	14.6	35.3	21.9	0.980	4.60	- 0.2
345	98.1M, 322F	2.58	22.8	14.2	34.3	21.3	0.927	4.11	- 0.7
350	98.8M, 324F	2.19	22.0	13.7	33.1	20.5	0.855	3.41	- 1.4
355	99.3M, 326F	1.73	20.8	12.9	31.5	19.5	0.760	2.39	- 2.4

HAAT = 100 M, (328.1 Ft.)

TERRAIN AND CONTOUR DATA

CAPE BROADCASTING CORPORATION
NORTH CAPE MAY, NEW JERSEY

ERP = 6 kW
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-10) Distance to 54 dBu Contour km
0	0.0	100.1	7.782	28.3	43.3
5	0.0	100.1	7.782	28.3	43.3
10	0.0	100.1	7.782	28.3	43.3
15	0.4	99.7	7.782	28.2	43.2
20	0.0	100.1	7.782	28.3	43.3
25	0.0	100.1	7.782	28.3	43.3
30	1.1	99.0	7.782	28.1	43.1
35	1.5	98.6	7.782	28.1	43.0
40	0.5	99.6	7.782	28.2	43.2
45	0.1	100.0	7.782	28.3	43.3
50	0.0	100.1	7.782	28.3	43.3
55	0.0	100.1	7.782	28.3	43.3
60	0.0	100.1	7.782	28.3	43.3
65	0.0	100.1	7.782	28.3	43.3
70	0.0	100.1	7.782	28.3	43.3
75	0.0	100.1	7.782	28.3	43.3
80	0.0	100.1	7.782	28.3	43.3
85	0.0	100.1	7.782	28.3	43.3
90	0.0	100.1	7.782	28.3	43.3
95	0.0	100.1	7.782	28.3	43.3
100	0.0	100.1	7.782	28.3	43.3
105	0.0	100.1	7.782	28.3	43.3
110	0.0	100.1	7.782	28.3	43.3
115	0.0	100.1	7.782	28.3	43.3
120	0.0	100.1	7.782	28.3	43.3
125	0.0	100.1	7.782	28.3	43.3
130	0.0	100.1	7.782	28.3	43.3
135	0.0	100.1	7.782	28.3	43.3
140	0.0	100.1	7.782	28.3	43.3
145	0.0	100.1	7.782	28.3	43.3
150	0.0	100.1	7.782	28.3	43.3
155	0.0	100.1	7.782	28.3	43.3
160	0.0	100.1	7.782	28.3	43.3
165	0.0	100.1	7.782	28.3	43.3
170	0.0	100.1	7.782	28.3	43.3
175	0.0	100.1	7.782	28.3	43.3
180	0.0	100.1	7.782	28.3	43.3
185	0.0	100.1	7.782	28.3	43.3
190	0.0	100.1	7.782	28.3	43.3
195	0.0	100.1	7.782	28.3	43.3

TERRAIN AND CONTOUR DATA

CAPE BROADCASTING CORPORATION
NORTH CAPE MAY, NEW JERSEY

ERP = 6 kW
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-10) Distance to 54 dBu Contour km
200	0.0	100.1	7.782	28.3	43.3
205	0.0	100.1	7.782	28.3	43.3
210	0.0	100.1	7.782	28.3	43.3
215	0.0	100.1	7.782	28.3	43.3
220	0.0	100.1	7.782	28.3	43.3
225	0.0	100.1	7.782	28.3	43.3
230	0.0	100.1	7.782	28.3	43.3
235	0.0	100.1	7.782	28.3	43.3
240	0.0	100.1	7.782	28.3	43.3
245	0.0	100.1	7.782	28.3	43.3
250	0.0	100.1	7.782	28.3	43.3
255	0.0	100.1	7.782	28.3	43.3
260	0.0	100.1	7.782	28.3	43.3
265	0.0	100.1	7.782	28.3	43.3
270	0.0	100.1	7.782	28.3	43.3
275	0.0	100.1	7.782	28.3	43.3
280	0.0	100.1	7.782	28.3	43.3
285	0.0	100.1	7.782	28.3	43.3
290	0.0	100.1	7.782	28.3	43.3
295	0.0	100.1	7.782	28.3	43.3
300	0.0	100.1	7.782	28.3	43.3
305	0.0	100.1	7.782	28.3	43.3
310	0.0	100.1	7.782	28.3	43.3
315	0.0	100.1	7.782	28.3	43.3
320	0.0	100.1	7.782	28.3	43.3
325	0.0	100.1	7.782	28.3	43.3
330	0.0	100.1	7.782	28.3	43.3
335	0.0	100.1	7.782	28.3	43.3
340	0.0	100.1	7.782	28.3	43.3
345	0.0	100.1	7.782	28.3	43.3
350	0.0	100.1	7.782	28.3	43.3
355	0.0	100.1	7.782	28.3	43.3
Ave. =	0.0 M	100.1 M			

Antenna Radiation Center AMSL = 100.1 M

Geographic Coordinates:

North latitude: 38 58 26
West longitude: 74 55 25

TERRAIN AND CONTOUR DATA

JEANNE T. HAEFNER
NORTH CAPE MAY, NEW JERSEY

ERP = 6 kW
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-10) Distance to 54 dBu Contour km
0	0.0	100.0	7.782	28.3	43.3
5	0.0	100.0	7.782	28.3	43.3
10	0.1	99.9	7.782	28.3	43.3
15	0.1	99.9	7.782	28.3	43.3
20	0.0	100.0	7.782	28.3	43.3
25	0.2	99.8	7.782	28.3	43.2
30	1.9	98.1	7.782	28.0	42.9
35	0.3	99.7	7.782	28.2	43.2
40	0.0	100.0	7.782	28.3	43.3
45	0.0	100.0	7.782	28.3	43.3
50	0.0	100.0	7.782	28.3	43.3
55	0.0	100.0	7.782	28.3	43.3
60	0.0	100.0	7.782	28.3	43.3
65	0.0	100.0	7.782	28.3	43.3
70	0.0	100.0	7.782	28.3	43.3
75	0.0	100.0	7.782	28.3	43.3
80	0.0	100.0	7.782	28.3	43.3
85	0.0	100.0	7.782	28.3	43.3
90	0.0	100.0	7.782	28.3	43.3
95	0.0	100.0	7.782	28.3	43.3
100	0.0	100.0	7.782	28.3	43.3
105	0.0	100.0	7.782	28.3	43.3
110	0.0	100.0	7.782	28.3	43.3
115	0.0	100.0	7.782	28.3	43.3
120	0.0	100.0	7.782	28.3	43.3
125	0.0	100.0	7.782	28.3	43.3
130	0.0	100.0	7.782	28.3	43.3
135	0.0	100.0	7.782	28.3	43.3
140	0.0	100.0	7.782	28.3	43.3
145	0.0	100.0	7.782	28.3	43.3
150	0.0	100.0	7.782	28.3	43.3
155	0.0	100.0	7.782	28.3	43.3
160	0.0	100.0	7.782	28.3	43.3
165	0.0	100.0	7.782	28.3	43.3
170	0.0	100.0	7.782	28.3	43.3
175	0.0	100.0	7.782	28.3	43.3
180	0.0	100.0	7.782	28.3	43.3
185	0.0	100.0	7.782	28.3	43.3
190	0.0	100.0	7.782	28.3	43.3
195	0.0	100.0	7.782	28.3	43.3

TERRAIN AND CONTOUR DATA

JEANNE T. HAEFNER
NORTH CAPE MAY, NEW JERSEY

ERP = 6 kW
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-10) Distance to 54 dBu Contour km
200	0.0	100.0	7.782	28.3	43.3
205	0.0	100.0	7.782	28.3	43.3
210	0.0	100.0	7.782	28.3	43.3
215	0.0	100.0	7.782	28.3	43.3
220	0.0	100.0	7.782	28.3	43.3
225	0.0	100.0	7.782	28.3	43.3
230	0.0	100.0	7.782	28.3	43.3
235	0.0	100.0	7.782	28.3	43.3
240	0.0	100.0	7.782	28.3	43.3
245	0.0	100.0	7.782	28.3	43.3
250	0.0	100.0	7.782	28.3	43.3
255	0.0	100.0	7.782	28.3	43.3
260	0.0	100.0	7.782	28.3	43.3
265	0.0	100.0	7.782	28.3	43.3
270	0.0	100.0	7.782	28.3	43.3
275	0.0	100.0	7.782	28.3	43.3
280	0.0	100.0	7.782	28.3	43.3
285	0.0	100.0	7.782	28.3	43.3
290	0.0	100.0	7.782	28.3	43.3
295	0.0	100.0	7.782	28.3	43.3
300	0.0	100.0	7.782	28.3	43.3
305	0.0	100.0	7.782	28.3	43.3
310	0.0	100.0	7.782	28.3	43.3
315	0.0	100.0	7.782	28.3	43.3
320	0.0	100.0	7.782	28.3	43.3
325	0.0	100.0	7.782	28.3	43.3
330	0.0	100.0	7.782	28.3	43.3
335	0.0	100.0	7.782	28.3	43.3
340	0.0	100.0	7.782	28.3	43.3
345	0.0	100.0	7.782	28.3	43.3
350	0.0	100.0	7.782	28.3	43.3
355	0.0	100.0	7.782	28.3	43.3
Ave. =	0.0 M	100.0 M			

Antenna Radiation Center AMSL = 100 M

Geographic Coordinates:

North latitude: 38 57 32
West longitude: 74 55 23

Shively Labs, a division of Howell Laboratories, Inc.
BRIDGTON, MAINE 04009 (207) 647-3327
TWX 710-223-8910 SHIVELY BRGT FAX (207) 647-8273

Preliminary Test Report 6810-2R-DA
for
New FM, Ocean City, Maryland

SUPERVISION:

The tests were carried out under the direction of Robert A. Surette, Manager of RF Engineering. Mr. Surette was graduated from Lowell Technological Institute, Lowell, Massachusetts in 1973 with the degree of Bachelor of Science in Electrical Engineering. He has been directly involved with both full size and scale model pattern measurements since 1974, as an RF Engineer with Shively Labs and with Dielectric Communications (a unit of General Signal) in Raymond, Maine. He is currently an Associate Member of the Association of Federal Communications Consulting Engineers and a Member of IEEE.

EQUIPMENT:

The scale model pattern range consists of a wooden rotating pedestal equipped with a position indicator. The scale model bay is placed on the top of this pedestal and is used in the transmission mode at approximately 20 ft. above ground level. The receiving corner reflector is spaced 50 ft. away from the rotating pedestal at the same level above ground as the transmitting model. The transmitting and receiving signals are carried to a control building by means of RG-9/U double shielded coax cable. The control building is equipped with:

1. Wavetek synthesized signal generator Model 3510
2. AW/AAR-4 receiver with a CU-253/ALR frequency converter
3. Heathkit chart recorder modified to polar recorder

TEST PROCEDURES:

The corner reflector is mounted so that the horizontal and vertical azimuth patterns are measured independently by rotating the corner reflector by 90°. The oscillator is set to the appropriate frequency, and the receiver is tuned to the frequency by maximizing the received output. Calibrated pads are used to check the linearity of the measuring system. For example, 6 dB padding yields a scale reading 50 from an unpadded reading of 100 in voltage. From the recorded patterns, the RMS values are calculated and recorded as shown in Figure 1.

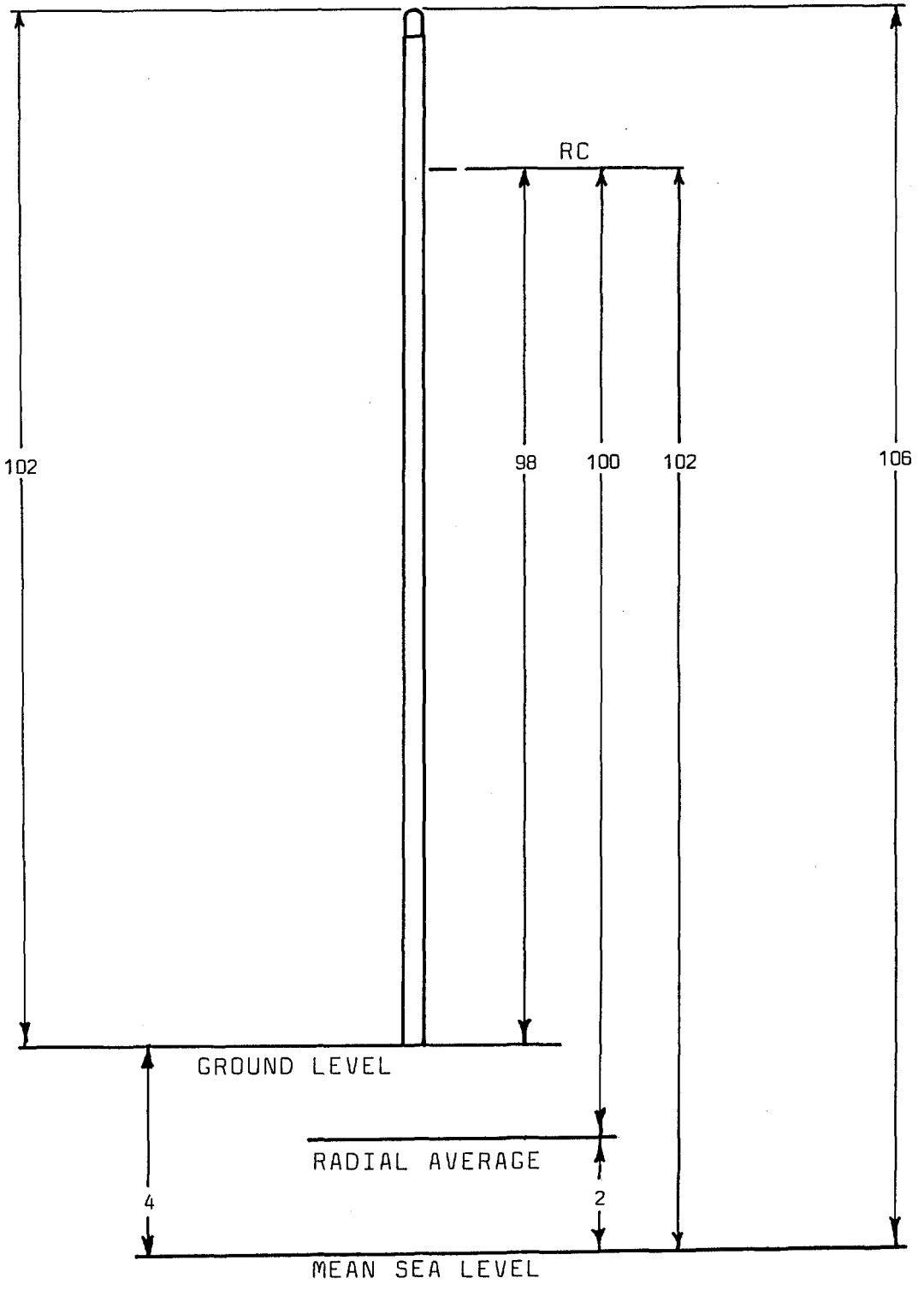
Respectfully submitted by,

Robert A. Surette
Manager of RF Engineering
Inquiry #910376
December 21, 1990

Shively Labs, a division of Howell Laboratories, Inc.
BRIDGTON, MAINE 04009
TWX 710-223-8910 SHIVELY BRGT
(207) 647-3327
FAX (207) 647-8273

Tabulation of Composite Pattern
New FM Ocean City, Maryland

Degrees	Relative Field	Degrees	Relative Field
0	0.685	180	1.000
10	0.600	190	1.000
15	0.595		
20	0.605	200	1.000
30	0.720	210	1.000
40	0.875	220	1.000
45	0.940	225	1.000
50	0.990	230	1.000
60	1.000	240	1.000
70	1.000	250	1.000
80	1.000	260	1.000
90	1.000	270	1.000
100	1.000	280	1.000
110	1.000	290	1.000
120	1.000	300	1.000
130	1.000	310	1.000
135	1.000	315	1.000
140	1.000	320	1.000
150	1.000	330	1.000
160	1.000	340	0.980
170	1.000	350	0.855



Dimensions are in meters.
Tower is to be guyed.

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FIGURE 1

ANTENNA AND TOWER ELEVATIONS

J. H. COMMUNICATIONS
OCEAN CITY, MARYLAND

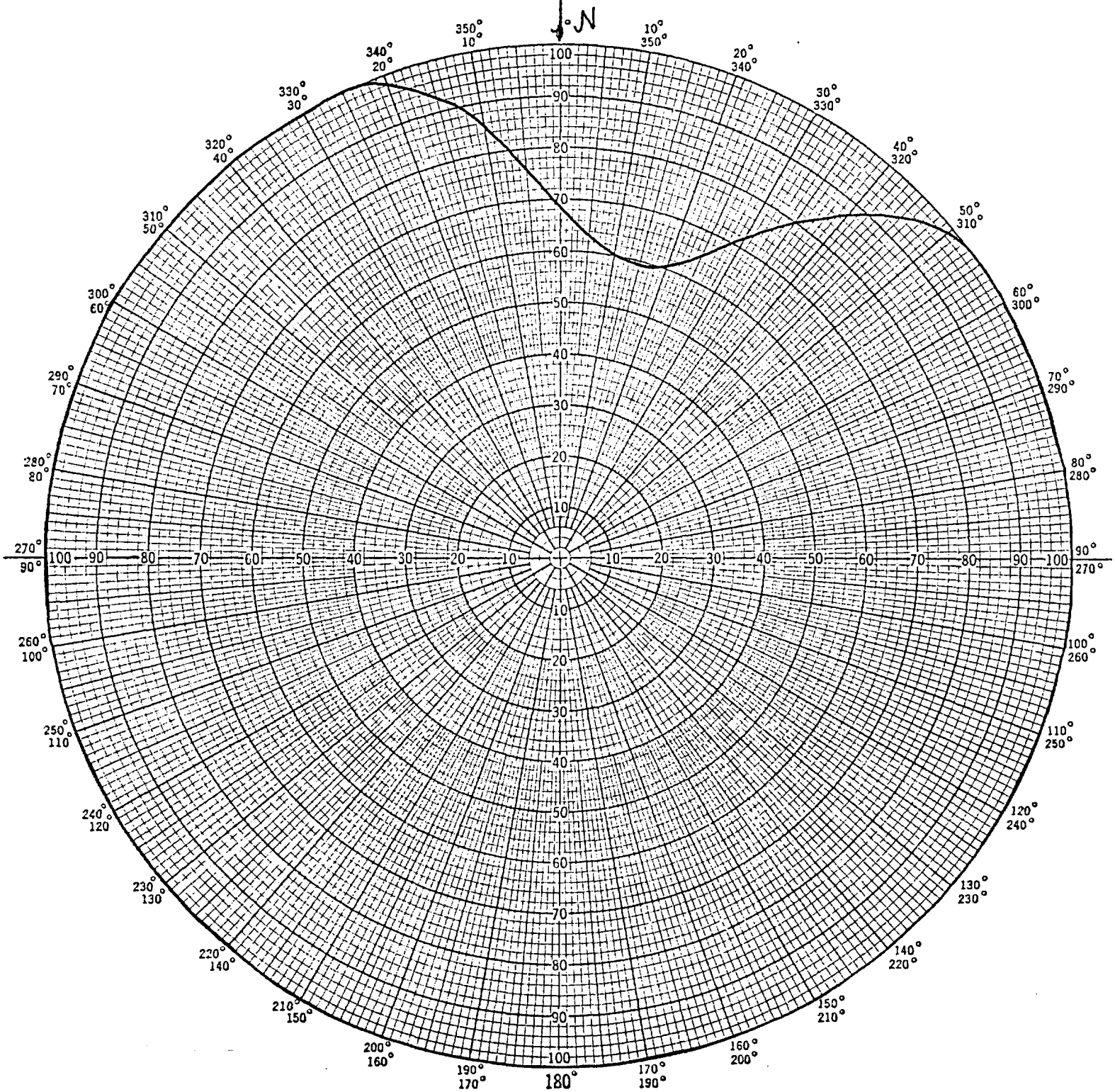
Shively Labs

PROJECT NAME New FM Ocean City, MD

ANTENNA TYPE 6810-2R-DA

PROJECT NUMBER 910376 DATE 12/21/90

PATTERN TYPE Directional Azimuth



MODEL (X) FULL SCALE ( ) FREQUENCY 481.05/106.9 MHz

POLARIZATION Composite

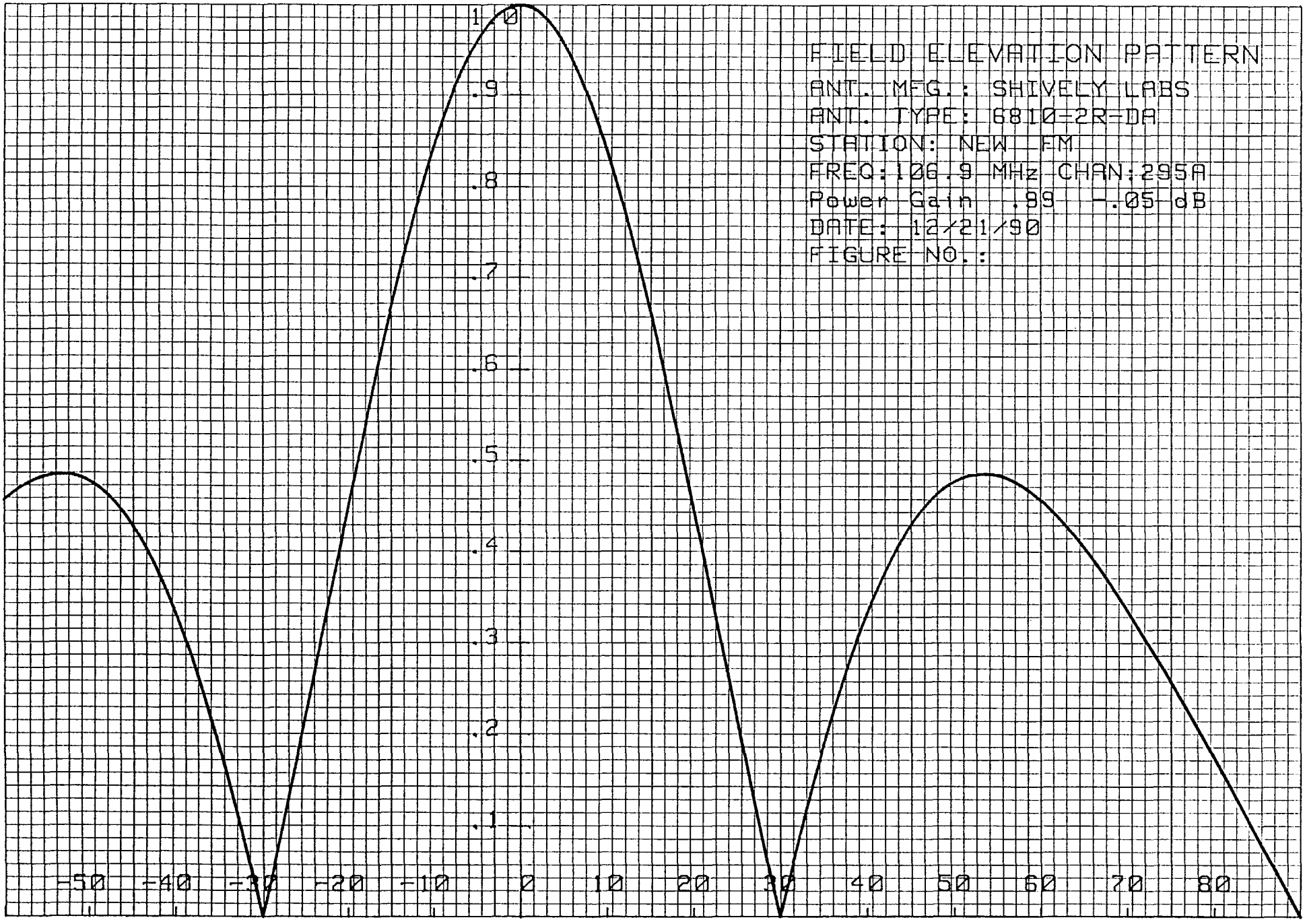
CURVE PLOTTED IN: VOLTAGE (X) POWER( ) DB( )

OBSERVER RAS

REMARKS:

K+E 10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 0700



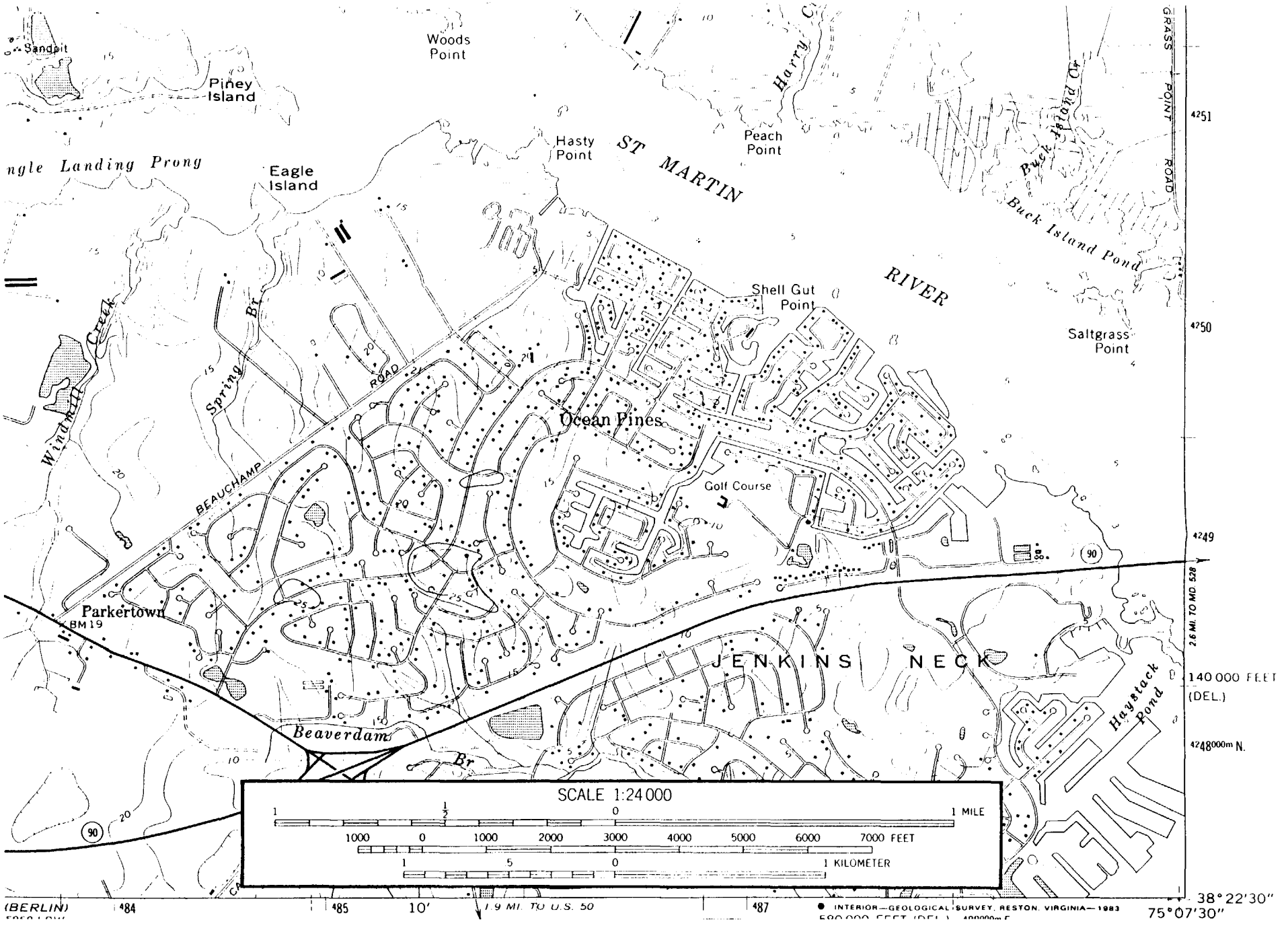


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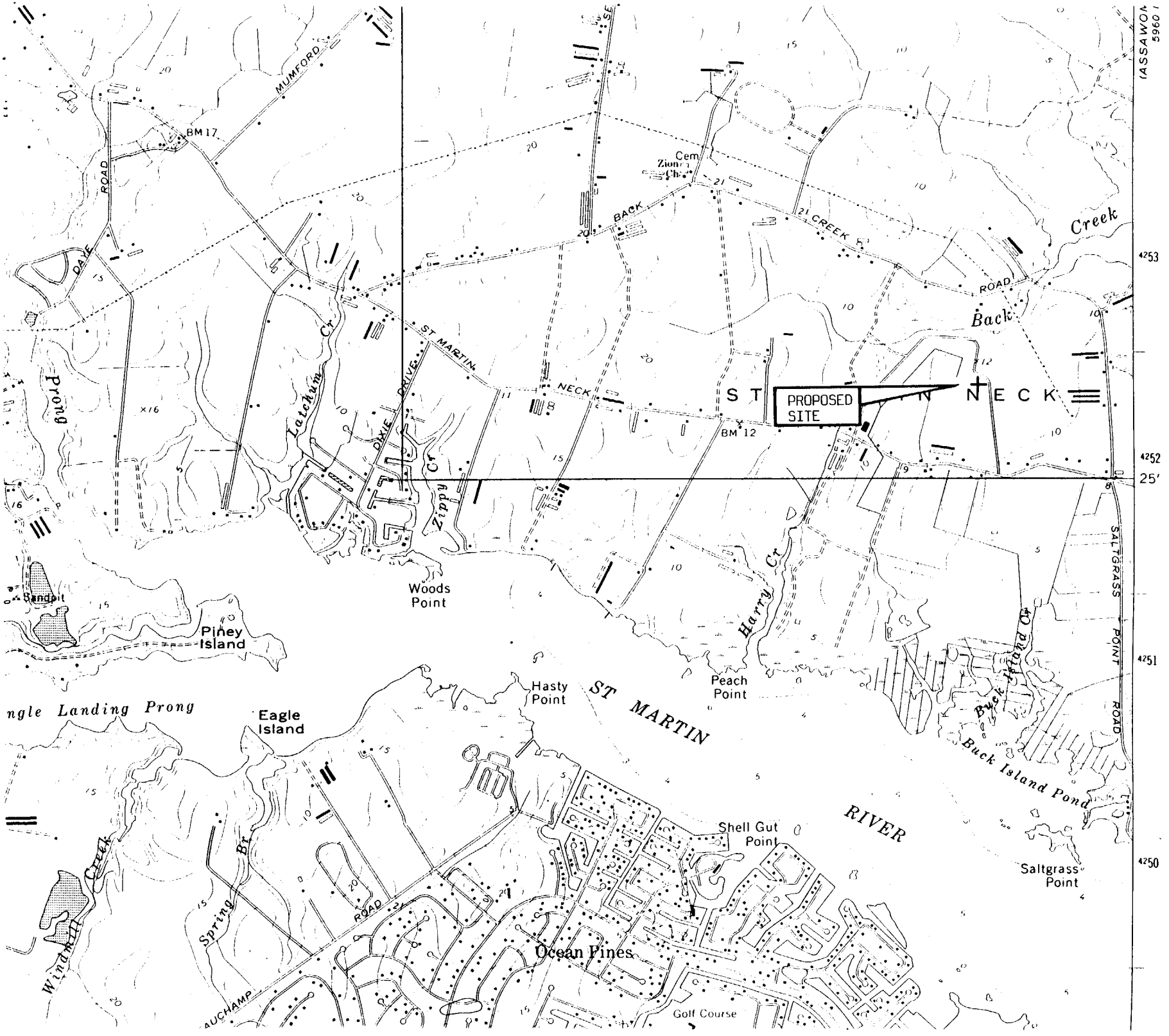
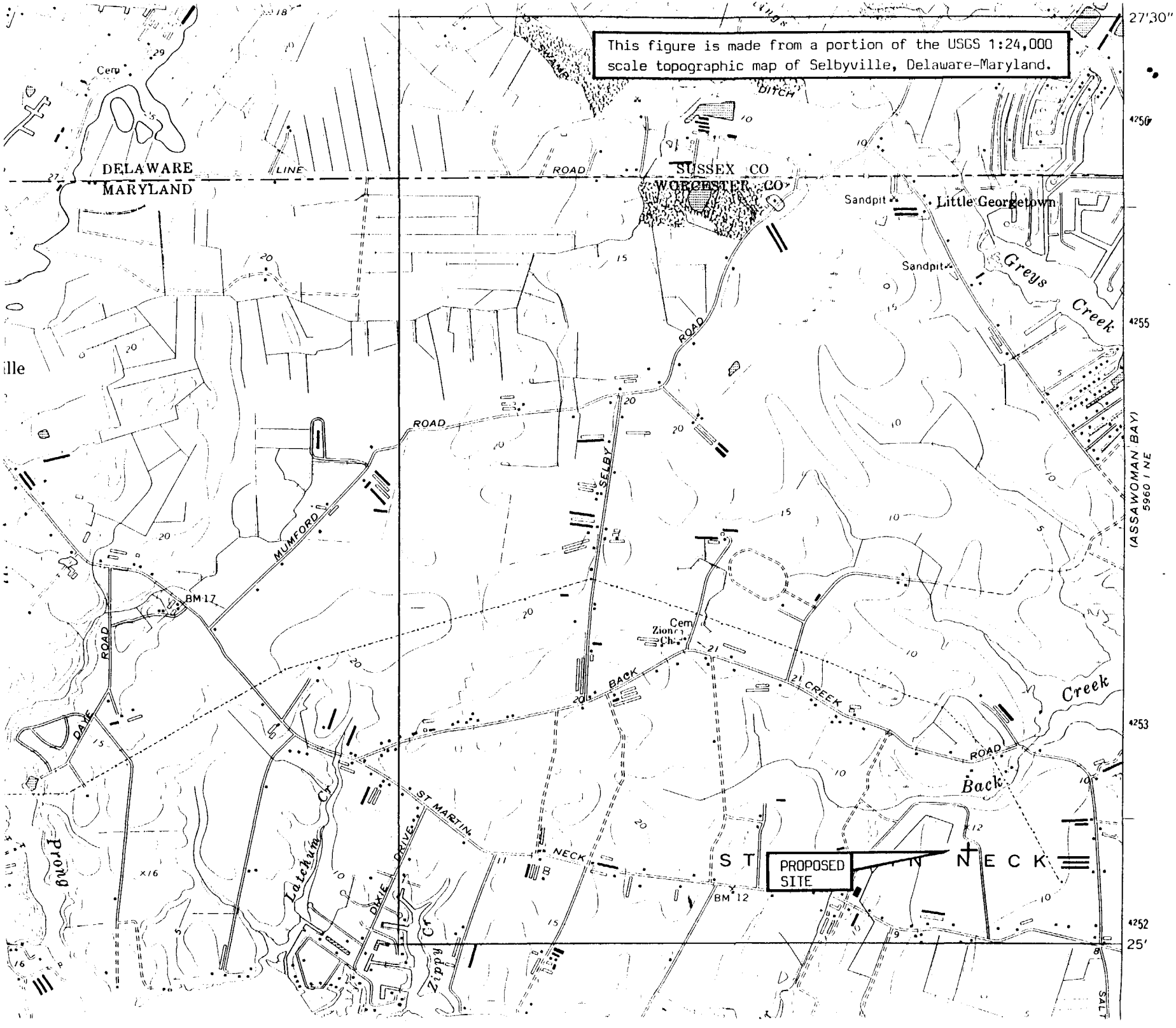
FIGURE 2

TOPOGRAPHIC SITE MAP

J. H. COMMUNICATIONS
OCEAN CITY, MARYLAND


MUMFORD
BM 17
DAVE ROAD
Prong
Latchum Cr
DIXIE DRIVE
ST MARTIN NECK
Zippy Cr
Cem
Zion Ch
BACK
21 CREEK
ROAD
Back Creek
ST MARTIN NECK
PROPOSED SITE
BM 12
Harry Cr
Woods Point
Sandpit
Piney Island
Hasty Point
Peach Point
ngle Landing Prong
Eagle Island
ST MARTIN RIVER
Buck Island Cr
Buck Island Pond
SALTGRASS POINT ROAD
Shell Gut Point
Saltgrass Point
Windmill Creek
Spring Br
ROAD
Ocean Pines
Golf Course
AUCHAMP
4253
4252
25'
4251
4250

This figure is made from a portion of the USGS 1:24,000 scale topographic map of Selbyville, Delaware-Maryland.



Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

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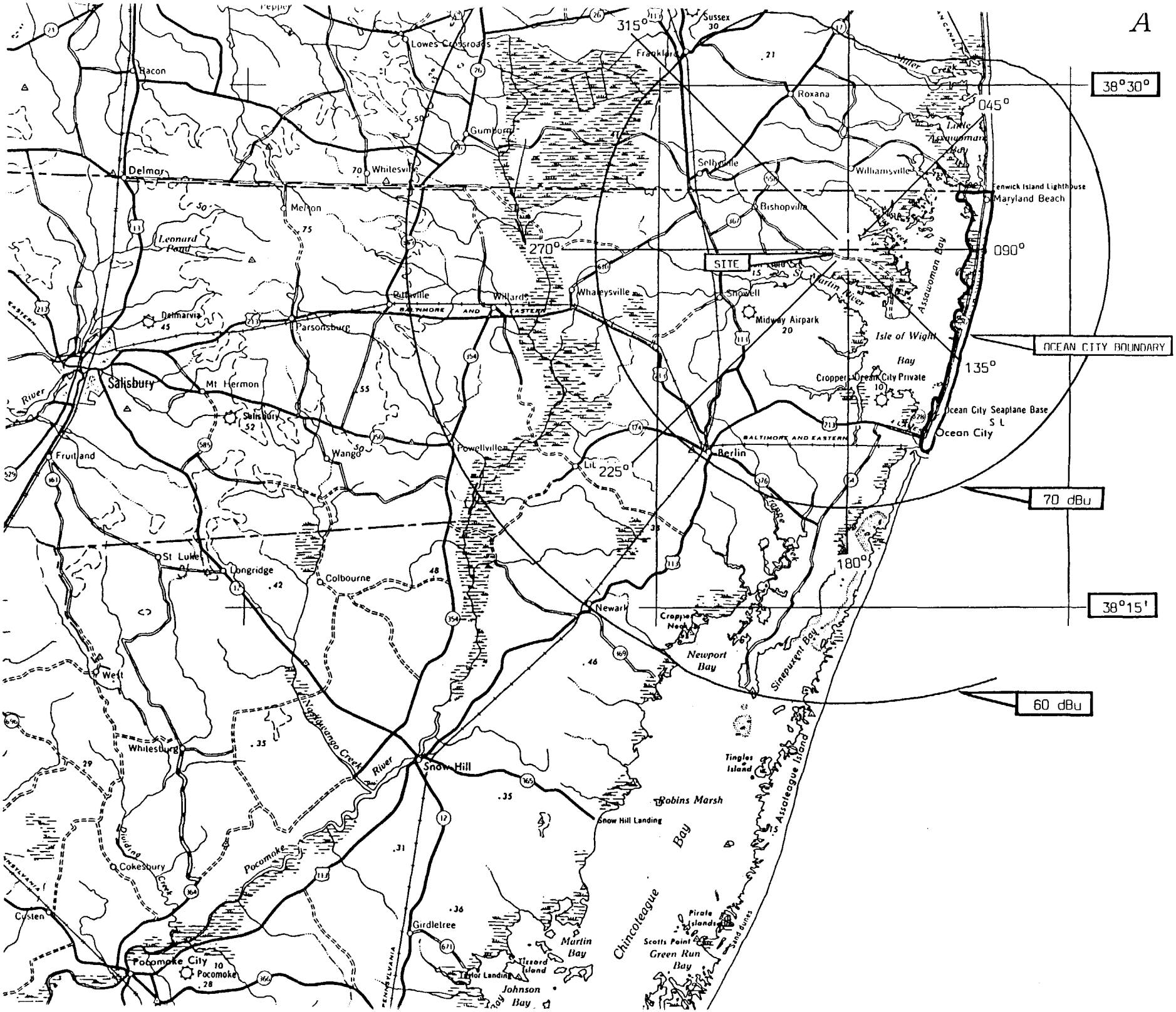
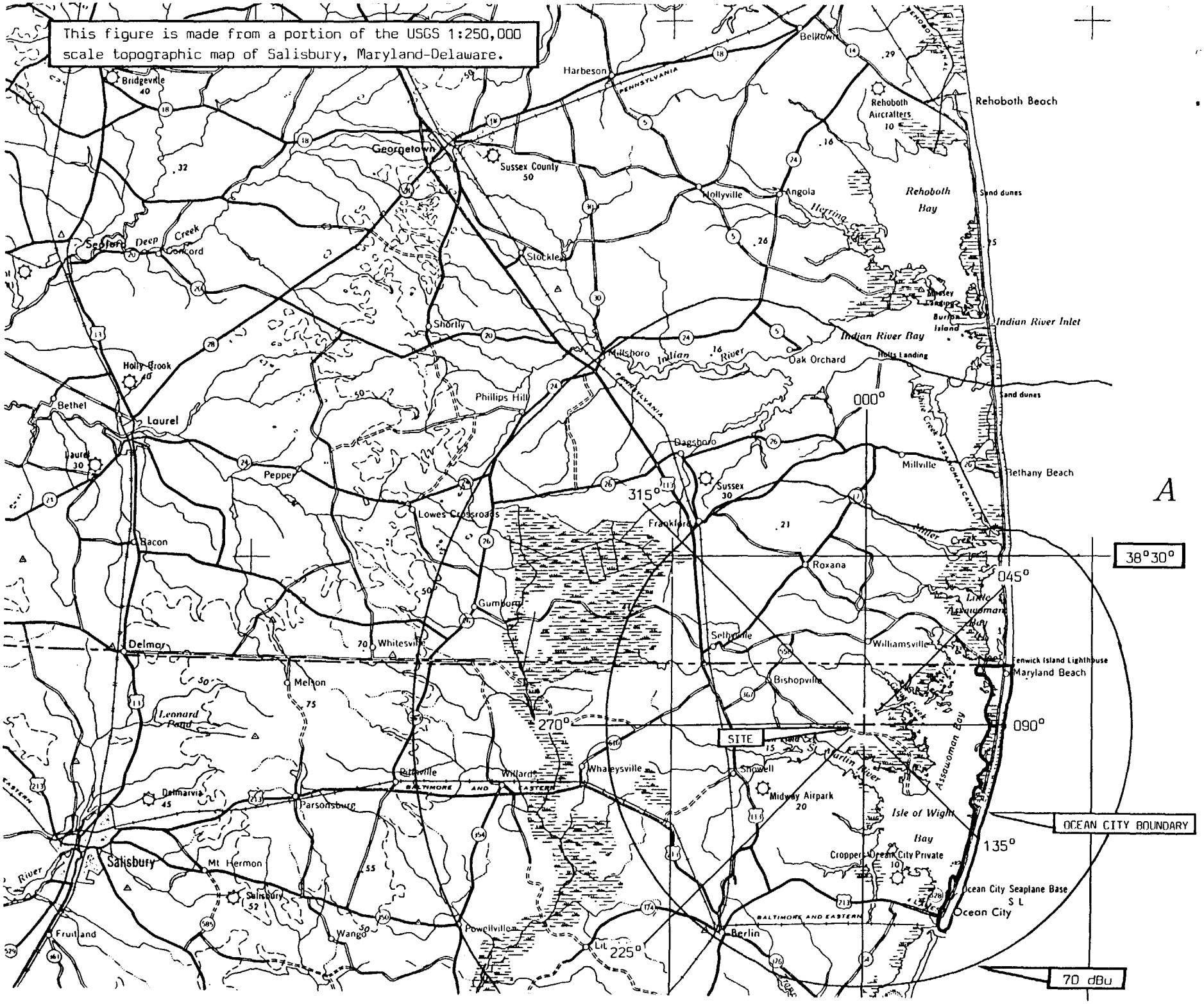
FIGURE 3

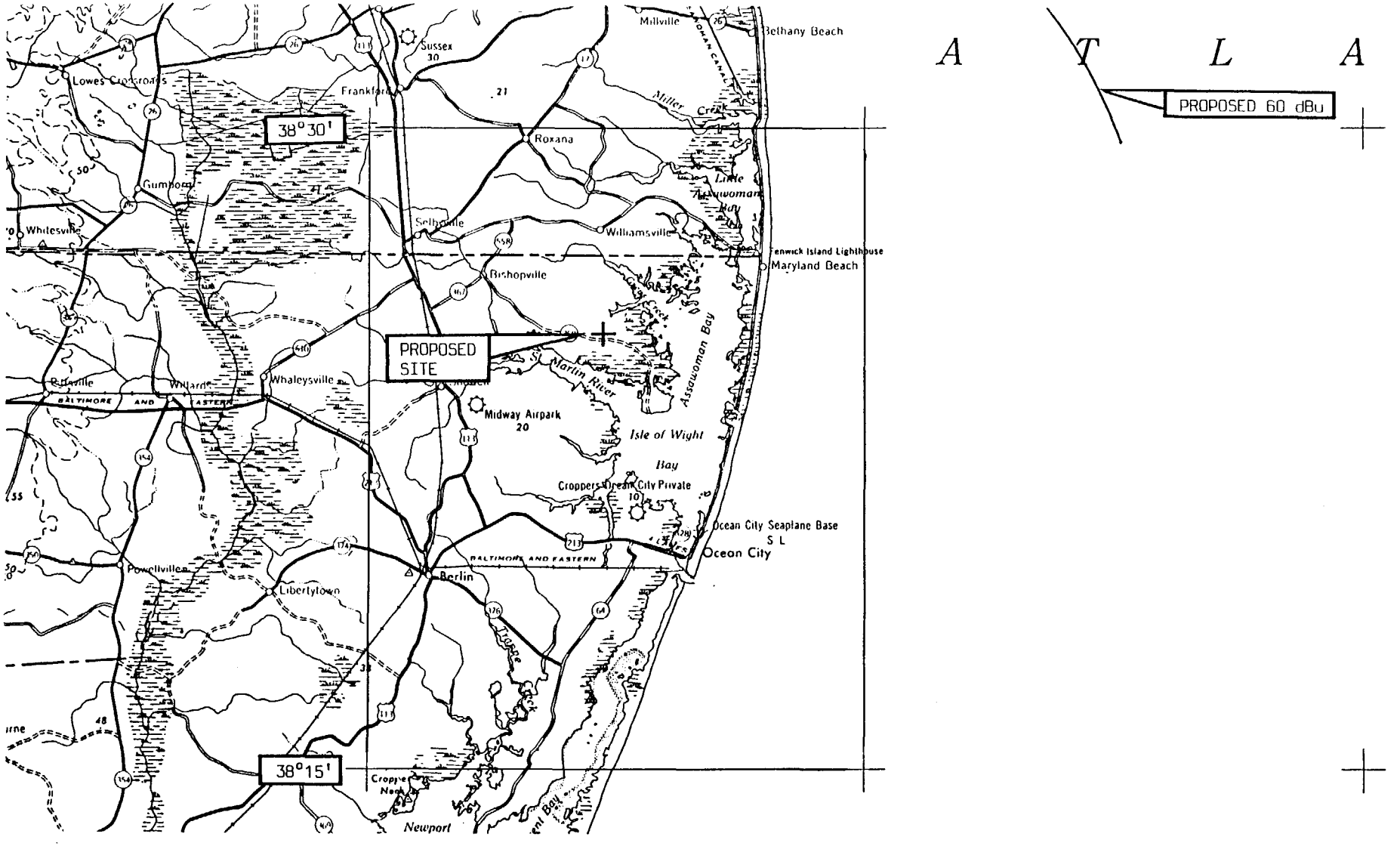
MAP OF THE PROPOSED SIGNAL STRENGTH CONTOURS

J. H. COMMUNICATIONS
OCEAN CITY, MARYLAND

A


38°30°
045°
090°
135°
180°
225°
270°
315°
38°15'
SITE
OCEAN CITY BOUNDARY
70 dBu
60 dBu
Sussex
Franklin
Lowes Crossroads
Bacon
Roxana
Gumboro
Delmar
Whitesville
Selbyville
Williamsville
Fenwick Island Lighthouse
Maryland Beach
Bishopville
Melson
Leonard Pond
Ritzville
Willards
Whaleysville
Snowell
Midway Airpark
Isle of Wight Bay
Assawoman Bay
Delmarvia
Parsonsburg
Salisbury
Mt Hermon
Salisbury
Cropper
Ocean City Private
Ocean City Seaplane Base
Ocean City
Fruitland
Wango
Powellville
Berlin
St Luke
Longridge
Colbourne
Newark
Cropper Neck
Newport Bay
Sinepuxent Bay
West
Whitesburg
Snow Hill
Tingles Island
Robins Marsh
Snow Hill Landing
Assateague Island
Cokesbury
Pocomoke
Custen
Girdletree
Pocomoke City
Pocomoke
Tessord Island
Taylor Landing
Johnson Bay
Martin Bay
Chincoteague Bay
Pirate Islands
Scotts Point
Green Run Bay
Sand dunes
Little Assawoman Bay
Miller Creek
Leonard Pond
Dividing Creek
Nanticoke River
Pocomoke River
Wicomico River
Martin River
Cape Creek
BALTIMORE AND EASTERN


This figure is made from a portion of the USGS 1:250,000 scale topographic map of Salisbury, Maryland-Delaware.
A
38°30°
000°
045°
090°
135°
225°
270°
315°
SITE
OCEAN CITY BOUNDARY
70 dBu
Bridgeville
Harbeson
Georgetown
Sussex County
Rehoboth Aircrafters
Rehoboth Beach
Rehoboth Bay
Sand dunes
Hollyville
Angola
Herring
Seaford
Deep Creek
Concord
Stockley
Shortly
Millsboro
Indian River
Indian River Bay
Indian River Inlet
Burton Island
Holts Landing
Oak Orchard
Holly Brook
Bethel
Laurel
Phillips Hill
Dagsboro
Millville
Bethany Beach
Pepper
Sussex
Lowes Crossroads
Frankford
Bacon
Roxana
Miller Creek
Gumboro
Little Assawoman Bay
Delmar
Whitesville
Selbyville
Williamsville
Fenwick Island Lighthouse
Maryland Beach
Melson
Bishopville
Leonard Pond
Ritzville
Willards
Whaleysville
Showell
Assawoman Bay
Delmarvia
Parsonsburg
BALTIMORE AND EASTERN
Midway Airpark
Isle of Wight Bay
Salisbury
Mt Hermon
Cropper
Ocean City Private
Ocean City Seaplane Base
Ocean City
River
Fruitland
Wango
Powellville
Berlin
Lil
Belltown



Scale 1:250,000

5 0 5 10 15 20 Statute Miles

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5 0 5 10 15 Nautical Miles

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FIGURE 4

ALLOCATION STUDY

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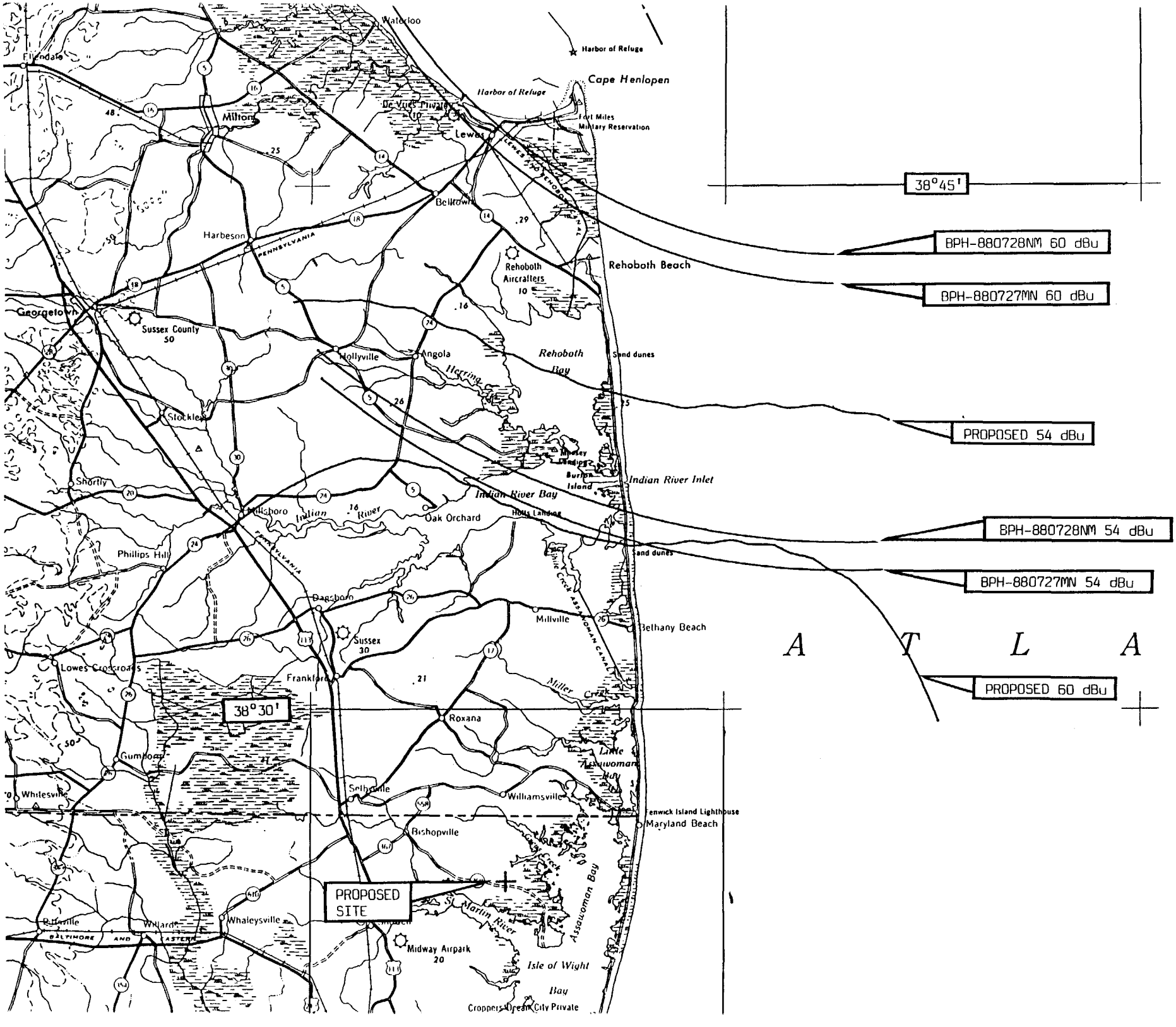
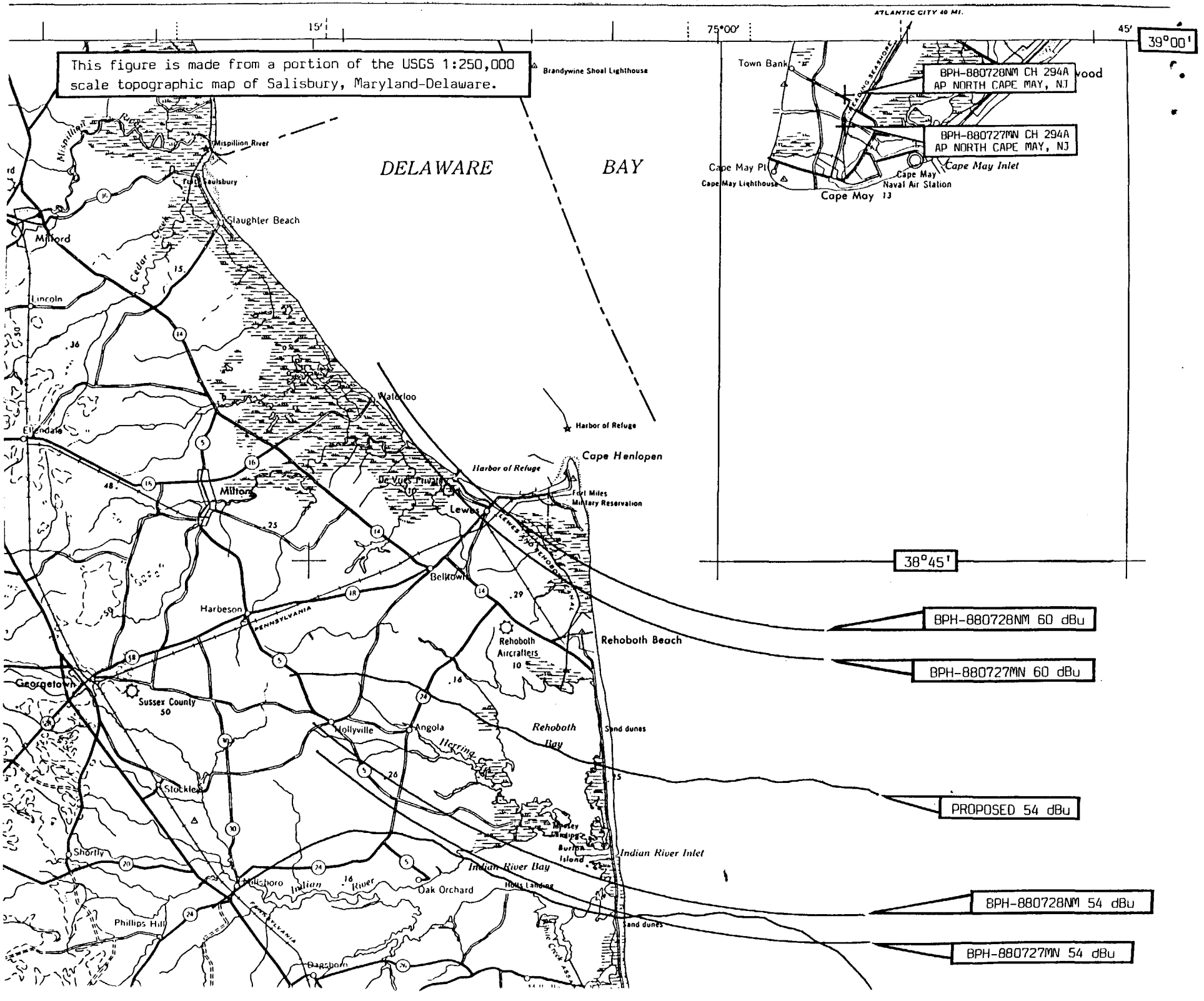

38°45'
BPH-880728NM 60 dBu
BPH-880727MN 60 dBu
PROPOSED 54 dBu
BPH-880728NM 54 dBu
BPH-880727MN 54 dBu
PROPOSED 60 dBu
38°30'
PROPOSED SITE
A T L A
Waterloo
Harbor of Refuge
Cape Henlopen
Fort Miles Military Reservation
Milton
Lewes
Belltown
Harbeson
Rehoboth Aircrafters 10
Rehoboth Beach
Georgetown
Sussex County 50
Hollyville
Angola
Rehoboth Bay
Sand dunes
Stockley
Indian River Inlet
Indian River Bay
Shortly
Hillsboro
Oak Orchard
Phillips Hill
Bethany Beach
Millville
Dagsboro
Sussex 30
Lowes Crossroads
Frankford
Roxana
Gumboro
Selbyville
Williamsville
Whitesville
Fenwick Island Lightbouse
Maryland Beach
Bishopville
Whaleysville
Willard
Midway Airpark 20
Isle of Wight Bay
Croppers Ocean City Private

This figure is made from a portion of the USGS 1:250,000 scale topographic map of Salisbury, Maryland-Delaware.



WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant J.H. Communications	Signature Joseph A. Borr
Date 24 Dec 90	Title General Partner

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The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

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